



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,090	12/23/2000	Walter T. Dobberpuhl	JW-EMC-005	2443

7590 04/22/2004
Robert L. Dulaney
EMC CORPORATION
35 Parkwood Drive
Hopkinton, MA 01748

EXAMINER

JACOBS, LASHONDA T

ART UNIT PAPER NUMBER

2157

DATE MAILED: 04/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/746,090

Applicant(s)

DOBBERPUHL ET AL.

Examiner

LaShonda T. Jacobs

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims **1-48** are rejected under 35 U.S.C. 102(e) as being anticipated by Cook.

As per claims **1, 5, 25** and **29**, Cook discloses in a computer network having an events notification system:

- said network including at least one client having a client-database, at least one server having at least one server-database, said at least one client (col. 3, lines 60-67 and col. 4, lines 20-30): (1) selecting said events and desired notification responses thereto to obtain selected data (col. 4, lines 50-67 and col. 6, lines 8-22), (2) creating a plurality of event notification template objects from said selected data and storing said objects in said client database (col. 6, lines 26-53); and, (3) transmitting said objects from said client database to selected ones of said at least one server to obtain server-database event notification template objects and commanding immediate usage of said server-database template objects by said at least one server (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).
 - said at least one client ensuring that any pre-existing said server database template objects and any of said plurality of template objects which are

identically-named contain identical object data (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).

As per claims 9 and 33, Cook discloses an a client-server computer network, an improved method for handling event errors occurring at server locations through the reporting of said event-errors to said client and accomplished by:

- (a) creating a client template object containing at least a plurality of event-error types and desired notification procedure for each one of said plurality of event-error types (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);
- (b) applying said client template object to each of said server locations to obtain server-location template objects (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);
- (c) said server locations instituting said desired notification procedure upon occurrence of said event-errors, said improvement comprising:

- o purging ambiguities including resolving conflict between said client template object and any pre-existing said server-location template objects (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).

As per claims 15 and 39, Cook discloses in an improved events notification system deployed across multiple client-server networks including:

- a first client operatively coupled with a first plurality of servers and a second client operatively coupled with a second plurality of servers, said events notification system employing templates for purposes of (a) communicating operating states to its respective client from its respective servers of peripherals controlled by said its respective servers, (b) selecting type of notification to be initiated under specified

Art Unit: 2157

failure mode conditions detected in any of said peripherals, and (c) taking action in accordance with said type of notification upon detection of said conditions (col. 3, lines 60-67, col. 4, lines 1-9 and col. 5, lines 39-59), said improvement comprising:

- under conditions of said first client being operatively coupled to at least one of said second plurality of servers having at least one of said templates of said second plurality of servers in conflict with other of said templates associated with said first client, said first client updating said at least one of said templates of said second plurality of servers to provide an updated template that conforms to said other of said templates (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).

As per claims 17 and 41, Cook discloses an events-notification system utilizing software object templates offering notification options and employable within computer network environments selected from the group consisting of client-server, SAN, and NAS environments, comprising:

- means for creating said templates and selecting said options to obtain selected template options at a user interface located at a single location in said network (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);
- means for deploying said templates to network components dispersed throughout said network from said single location to obtain remotely-deployed templates (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53); and

Art Unit: 2157

- means for resolving name/content conflicts between said templates and any other templates previously deployed and dispersed throughout said network (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).

As per claims **2**, **6**, **26** and **30**, Cook discloses wherein said ensuring comprises:

- client retrieving said any pre-existing said server-database template objects and comparing each of the names of said any pre-existing template objects with each of the names of said plurality of template objects stored in said client-database (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);
- adding new templates comprising pre-existing object data associated with any of said names of said any pre-existing template objects that do not match said names of said plurality of template objects, to said client database (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53); and
- resolving any conflict between any said any pre-existing said server-database template objects and any of said plurality of template objects having identical names but having said pre-existing object data different from said object data (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53).

As per claims **3**, **7**, **27** and **31**, Cook discloses wherein said resolving is selected from the group consisting of:

- deleting said server-stored template objects, renaming said server-stored template objects, and updating said server-stored template objects (col. 6, lines 26-50).

As per claims **4**, **8**, **28** and **32**, Cook further discloses:

- including repeating acts for all said any pre-existing and server-database template objects (col. 6, lines 26-50).

As per claims **10** and **34**, Cook discloses said resolving is selected from the group consisting of:

- deleting, renaming and updating said pre-existing server-location template objects (col. 6, lines 26-50).

As per claims **11** and **35**, Cook discloses said resolving is selected from the group consisting of:

- deleting, renaming and updating said client template object (col. 6, lines 26-50).

As per claims **12** and **36**, Cook discloses wherein said ambiguity purging comprises:

(a) said client retrieving said pre-existing said server-location template-objects (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);

(b) comparing the names of each of said pre-existing objects with all names in said client template-object (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53);

(c) adding pre-existing template object data corresponding to any of said names of each of said pre-existing objects that do not match said names in said client template object, to said client template object (col. 6, lines 26-50);

(d) for any particular said pre-existing objects having the same name as any other contents within said client template object, comparing pre-existing contents of said particular said pre-existing objects with said other contents of said client template-object (col. 6, lines 26-50);

Art Unit: 2157

(e) resolving conflict if said pre-existing contents are different from said other contents (col. 3, lines 60-67, col. 4, lines 20-30 and col. 6, lines 26-53); and

(f) repeating the acts of retrieving, name-comparing, adding, contents-comparing, and conflict resolving for all said server locations and in said network (col. 6, lines 26-50).

As per claims **13** and **37**, Cook discloses wherein said ambiguity purging is selected from the group consisting of:

- deleting, renaming, and updating pre-existing server location template objects (col. 6, lines 26-50).

As per claims **14**, **35** and **38**, Cook discloses wherein said ambiguity purging is selected from the group consisting of:

- deleting, renaming, and updating said client template object (col. 6, lines 26-50).

As per claims **16** and **40**, Cook discloses:

- said second client updating certain of said templates in its database which conflict with said updated template to conform to said updated template (col. 6, lines 26-50).

As per claims **18** and **42**, Cook discloses wherein said creating means includes:

- means for modifying any of said remotely-deployed templates from said single location (col. 6, lines 8-22).

As per claims **19** and **43**, Cook discloses:

- wherein said remotely-deployed templates, responsive to detection of certain events occurring at said network components and corresponding to certain of said selected options, notifies said user interface of the occurrence of said certain events in

accordance with notification schemes corresponding to other of said selected options (col. 6, lines 26-53).

As per claims **20** and **44**, Cook discloses:

- wherein said certain events are failure modes within said network components (col. 3, lines 60-67 and col. 4, lines 1-9).

As per claims **21** and **45**, Cook discloses:

- wherein said network components are server groups including processors and storage components (col. 3, lines 60-67 and col. 4, lines 1-9).

As per claims **22** and **46**, Cook discloses:

- wherein said storage components includes disk arrays (col. 4, lines 31-40).

As per claims **23** and **47**, Cook discloses:

- wherein said notification schemes include email transmission, telephone-calling, and telephone-paging (col. 3, lines 60-67 and col. 4, lines 1-9).

As per claim **24**, Cook discloses wherein said resolving means includes any of:

- deleting, renaming and updating said other templates (col. 6, lines 26-50).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,356,282 to Roytman et al

U.S. Pat. No. 6,349,333 to Panikatt et al

U.S. Pat. No. 6,230,160 to Chan et al

U.S. Pub. No. 2002/0069246 to Gideon

U.S. Pat. No. 6,337,973 to Gideon

U.S. Pub. No. 2002/0128897 to Nelson et al

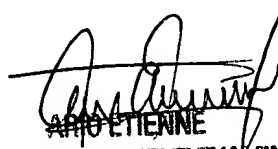
Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T. Jacobs whose telephone number is 703-305-7494. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T. Jacobs
Examiner
Art Unit 2157

ltj
April 18, 2004


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100